General Education Core Competencies
Revised from the Florida Tech 2005 Reaffirmation Report
Version 3, 14 May 2012

General education core competencies at the Florida Institute of Technology.

Upon the completion of an undergraduate degree from the Florida Institute of Technology, a student will be able to:

1) Demonstrate college-level writing and reading skills.

2) Demonstrate an understanding of the intellectual and historical changes that have taken place in the development of human civilization.

3) Apply college level algebra skills to the solution of mathematical processes.

4) Apply statistical skills (including methods of collection, analysis, and interpretation of data) or be able to apply introductory calculus skills to the solution of real world problems.

5) Demonstrate knowledge of the principles of the natural sciences and identify the scientific method of inquiry when applied to the investigation of the natural world.

6) Demonstrate an understanding of the social and behavioral sciences, including interrelationships with other disciplines.

7) Utilize appropriate computer technologies to communicate effectively within both university and global communities.

From Draft Proposal to Modify University Core

Proposed core competencies (re-ordered)

1. demonstrate proficiency in written and oral communications, directed at a variety of audiences.

2. have an appreciation for the art, history, and culture that has been instrumental in shaping human civilization.

3/4. demonstrate quantitative reasoning skills appropriate to their chosen area of study.

5. have an understanding of the natural sciences that form the foundation of today’s modern technological world.

6. demonstrate the skills necessary to understand and participate in today’s global society.

(7.)

QEP 1. engage in and complete a culminating scholarly inquiry that demonstrates competency of their academic knowledge, problem-solving skills, and communication.